

AMENDMENTS TO THE DRAWINGS:

The attached drawings includes changes to FIG. 4A. The sheet containing FIG. 4A replaces the original sheet including FIG. 3 and FIG. 4A. Paragraph 30 was amended to insert the features recited in claim 6 (as originally filed), which included a reflective layer. The reflective layer was assigned the reference numeral 47. No new matter was added. In FIG. 4A, a reference numeral 47 has been added to indicate the reflective layer 47 between the cover heater 43 and the heat-resistant layer 46.

The attached drawings include changes to FIG. 5. The sheet containing FIG. 5 replaces the original sheet. Paragraph 39 was amended to insert the features recited in claim 24 (as originally filed), which included a reflective layer. The reflective layer was assigned the reference numeral 59. In FIG. 5, a reference numeral 59 was added to indicate the reflective layer 59 between the body heater 53 and the heat-resistant layer 56. No new matter was added.

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 5 and 6 have been canceled without prejudice or disclaimer, and claim 1 has been amended. No new matter is being presented, and approval and entry are respectfully requested.

Claims 1-4 and 7-26 are pending and under consideration. Reconsideration is respectfully requested.

CHANGES TO THE SPECIFICATION:

The specification has been reviewed in response to this Office Action. Paragraph 30 was amended to insert the features recited in claim 6 (as originally filed), which included a reflective layer. The reflective layer of FIG. 4A was assigned the reference numeral 47. Paragraph 39 was amended to insert the features recited in claim 24 (as originally filed) and to assign the reference numeral 59 to the reflective layer of FIG. 5. Changes have been made to the specification only to place it in preferred and better U.S. form for issuance and to resolve the Examiner's objections raised in the Office Action. No new matter has been added.

OBJECTIONS TO THE DRAWINGS:

In the Office Action, at page 2, numbered paragraph 1, the drawings were objected to. In FIG. 4A, reference numeral 47 was added to indicate the reflective layer, which is recited in paragraph 30 and in claim 6. In FIG. 5, the reference numeral 59 was added to indicate the reflective layer between the body heater 53 and the heat-resistant layer 56, which is recited in paragraph 39 and claim 24. Therefore, the outstanding drawing objections should be resolved.

Reconsideration and withdrawal of the outstanding objections to the drawings are respectfully requested.

REJECTION UNDER 35 U.S.C. §102:

In the Office Action, at pages 2-3, numbered paragraph 2, claims 1, 2, 4, 5, 7, 11-13, 16-23 and 25 were rejected under 35 U.S.C. §102(b) as being anticipated by Chow (USPN 5,157,240). This rejection is traversed and reconsideration is requested.

Independent claim 1 has been amended to include the features of claims 5 and 6. Claims 5 and 6 have been cancelled without prejudice or disclaimer.

It is respectfully submitted that amended independent claim 1 recites a heating crucible

for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Chow (USPN 5,157,240). In particular, Chow does not recite a reflective layer at all. Thus, it is respectfully submitted that amended independent claim 1 is not anticipated by Chow (USPN 5,157,240).

Since claims 2, 4, 7, 11-13, 16-23 and 25 depend, directly or indirectly, from amended claim 1, claims 2, 4, 7, 11-13, 16-23 and 25 are submitted not to be anticipated under 35 U.S.C. §102(b) by Chow (USPN 5,157,240) for at least the reasons that amended independent claim 1 is submitted not to be anticipated under 35 U.S.C. §102(b) by Chow (USPN 5,157,240).

REJECTION UNDER 35 U.S.C. §103:

A. In the Office Action, at pages 3-4, numbered paragraph 5, claims 3, 14 and 19 were rejected under 35 U.S.C. §103(a) as being unpatentable over Chow (USPN 5,157,240; hereafter, Chow) in view of Kano et al. (USPN 6,242,719; hereafter, Kano et al.). The reasons for the rejection are set forth in the Office Action and therefore not repeated. The rejection is traversed and reconsideration is requested.

As noted above, amended independent claim 1 recites a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Chow (USPN 5,157,240).

Also, Kano et al. fails to reach or suggest a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer

formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Kano et al. (USPN 6,242,719).

Thus, amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Kano et al. (USPN 6,242,719), alone or in combination.

Since claims 3, 14 and 19 depend indirectly from amended claim 1, claims 3, 14 and 19 are submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Kano et al. (USPN 6,242,719) for at least the reasons that amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Kano et al. (USPN 6,242,719).

B. In the Office Action, at page 4, numbered paragraph 6, claims 6 and 24 were rejected under 35 U.S.C. §103(a) as being unpatentable over Chow (USPN 5,157,240; hereafter, Chow) in view Yahav et al.. (USPN 5,221,829; hereafter, Yahav et al.). The reasons for the rejection are set forth in the Office Action and therefore not repeated. The rejection is traversed and reconsideration is requested.

The features of claim 6 have been incorporated into amended claim 1. Claim 6 has been cancelled without prejudice or disclaimer.

As noted above, amended independent claim 1 recites a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Chow (USPN 5,157,240).

Also, Yahav et al. fails to reach or suggest a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by

Yahav et al. (USPN 5,221,829).

Thus, amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Yahav et al. (USPN 5,221,829), alone or in combination.

Since claim 24 depends indirectly from amended claim 1, claim 24 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Yahav et al. (USPN 5,221,829) for at least the reasons that amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Yahav et al. (USPN 5,221,829).

C. In the Office Action, at pages 4-5, numbered paragraph 7, claims 8, 15, and 26 were rejected under 35 U.S.C. §103(a) as being unpatentable over Chow (USPN 5,157,240; hereafter, Chow) in view of Bichrt (USPN 6,162,300; hereafter, Bichrt). The reasons for the rejection are set forth in the Office Action and therefore not repeated. The rejection is traversed and reconsideration is requested.

As noted above, amended independent claim 1 recites a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Chow (USPN 5,157,240).

Also, Bichrt fails to reach or suggest a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Bichrt (USPN 6,162,300).

Thus, amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Bichrt (USPN 6,162,300), alone or in combination.

Since claims 8, 15, and 26 depend indirectly from amended claim 1, claims 8, 15, and 26 are submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or

Bichrt (USPN 6,162,300) for at least the reasons that amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) and/or Bichrt (USPN 6,162,300).

D. In the Office Action, at page 5, numbered paragraph 8, claim 9 was rejected under 35 U.S.C. §103(a) as being unpatentable over Chow (USPN 5,157,240; hereafter, Chow). The reasons for the rejection are set forth in the Office Action and therefore not repeated. The rejection is traversed and reconsideration is requested.

As noted above, amended independent claim 1 recites a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Chow (USPN 5,157,240).

Thus, amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240).

Since claim 9 depends from amended claim 1, claim 9 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240) for at least the reasons that amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240).

E. In the Office Action, at page 5, numbered paragraph 9, claim 10 was rejected under 35 U.S.C. §103(a) as being unpatentable over Chow (USPN 5,157,240; hereafter, Chow) in view of Maeda et al. (USPN 5,233,166; hereafter, Maeda et al.) or Okuda et al. (USPN 4,804,823; hereafter, Okuda et al.). The reasons for the rejection are set forth in the Office Action and therefore not repeated. The rejection is traversed and reconsideration is requested.

As noted above, amended independent claim 1 recites a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught

or suggested by Chow (USPN 5,157,240).

Also, Maeda et al. fails to reach or suggest a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Maeda et al.

In addition, Okuda et al. fails to reach or suggest a heating crucible for an organic thin film forming apparatus, the heating crucible comprising: a main body in which to contain an organic substance; a cover provided on the main body, the cover formed of an insulating material and having a nozzle through which a gaseous organic substance comes out from the main body; a cover heater formed as a thin film type on the top surface of the cover; a heat resistant layer formed on a surface of the cover heater; a reflective layer between the cover heater and the heat resistant layer; and a body heater heating the main body, which is not taught or suggested by Okuda et al.

Thus, amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240), Maeda et al. (USPN 5,233,166) and/or Okuda et al. (USPN 4,804,823), alone or in combination.

Since claim 10 depends from amended claim 1, claim 10 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240), Maeda et al. (USPN 5,233,166) and/or Okuda et al. (USPN 4,804,823), alone or in combination, for at least the reasons that amended claim 1 is submitted to be patentable under 35 U.S.C. §103(a) over Chow (USPN 5,157,240), Maeda et al. (USPN 5,233,166) and/or Okuda et al. (USPN 4,804,823), alone or in combination.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot, and further, that all pending claims patentably distinguish over the prior art. Thus, there being no further outstanding objections or rejections, the application is submitted as being in condition for allowance which action is earnestly solicited.

If the Examiner has any remaining issues to be addressed, it is believed that prosecution

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can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

If there are any underpayments or overpayments of fees associated with the filing of this Amendment, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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